

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/IB2004/051149

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G02B26/08 G02B26/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 201 629 B1 (MCCLELLAND ROBERT WILLIAM ET AL) 13 March 2001 (2001-03-13) column 12, line 24 - line 67 column 13 column 14, line 1 - line 58 figures 12-16	1-11
A	US 5 579 148 A (NISHIKAWA HIDEAKI ET AL) 26 November 1996 (1996-11-26) abstract; figure 3	1-11
A	US 6 449 079 B1 (HERRMANN FALK) 10 September 2002 (2002-09-10) column 3, line 29 - line 51; figures	1-11

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

27 August 2004

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10/09/2004

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6201629	B1	13-03-2001	US 2001022682 A1 US 2001021058 A1	20-09-2001 13-09-2001
US 5579148	A	26-11-1996	JP 3219123 B2 JP 7199099 A	15-10-2001 04-08-1995
US 6449079	B1	10-09-2002	DE 19857946 C1 WO 0036452 A1 EP 1057068 A1 JP 2002532749 T	20-01-2000 22-06-2000 06-12-2000 02-10-2002